

## Condensation of $\alpha$ -campholenaldehyde with ketones and esters

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### Abstract

1. By the condensation of  $\alpha$ -campholenaldehyde in alkaline with acetone with acetone, 2-butanone, acetophenone, mesityl oxide, and 6-methyl -5 -hepten-2-one, the corresponding unsaturated ketones have been prepared. In spite of the considerable difference from the isomeric ionones in structure, campholenalacetone has an odor close to that of the ionones. The other ketones have pleasant spicelike odors. 2.  $\alpha$ -Campholenaldehyde condenses with ethyl acetate and with ethyl acetoacetate yielding ethyl campholenalacetate and ethyl 2-campholenalacetoacetate, respectively. © 1954 Consultants Bureau, Inc.

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